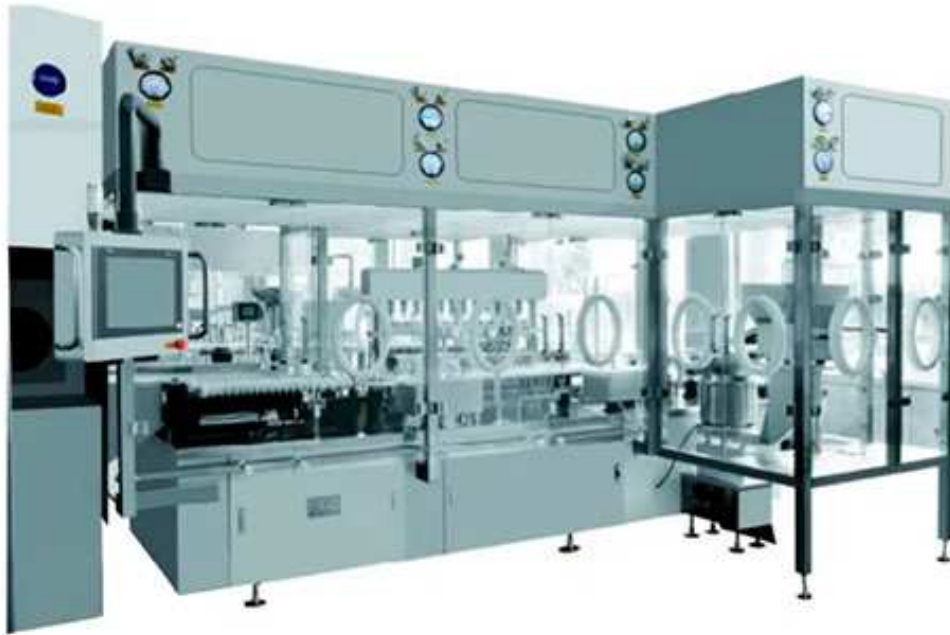


KGF Series Vial Liquid Filling-Stoppling Machine



The KGF series vial liquid filling-stoppling machine adopts 10-needle linear tracking filling. The rotary table vacuum stoppling and stopple pressing are carried out. The new type ceramic plunger metering pump is featured by high precision, high efficiency and high speed.

The machine adopts the PLC control with mechanical and electrical integration, provided with the functions of no filling in case of no bottle and no stoppling in case of no bottle. The surfaces are made of high quality stainless steel, conforming to GMP requirements.

Features

- ◆ The machine integrates advanced intelligent electric control technology and simple and visual man-machine interface, realizing the perfect design of mechanical and electrical integration.
- ◆ In the main transmission system, remote segments adopt the high strength PU synchronous belt and near segments adopt the large pushing wheel to enhance the safety factor and prolong equipment service life.
- ◆ The servo motor is adopted for tracking. The tracking speed is identical to the bottle conveying speed so as to effectively avoid needle contact with the bottle inner wall. The return travel adopts the quadratic polynomial curve. There is no sudden change in the speed and acceleration, and mechanical impact is almost zero, so the machine works stably.
- ◆ In the aspect of filling, as a breakthrough to the traditional cam swinging rod structure, the servo motor of high precision and small step angle and the stable and reliable servo drive are adopted. The motor shaft rotation movement is converted by the pre-pressing ball screw nuts into linear movement required by the ceramic pump plunger, so as to form a high-precision servo filling structure. Through the main machine interface, different pulse values are set for the servo motor to meet different filling volume requirements. Fine adjustment of a certain pump can be carried out.
- ◆ The stainless steel laminar flow frame is installed outside the main machine. The frame is mainly round. With beautiful appearance and no sanitation dead zone, it ensures that the machine works in the clean area.

Additional Add-on

According to customer requirements, it can also be equipped with the following:

- ◆ Control system of such brands as Siemens, Schneider, Mitsubishi, Delta, and etc;
- ◆ Dust particles online inspection, alarming, recording and printing systems;
- ◆ ORABS, CRABS, aseptic isolator system.

Technical Parameters

Product Model	KGF4	KGF6	KGF8
Applicable specifications(ml)	2-25(国际西林瓶)		
Number of filling heads	4	6	8
Production capacity(pcs/min)	120(2ml)	180(2ml)	200(2ml)
Filling accuracy(%)	≤ ±2.5(机械式驱动容积泵、陶瓷泵、不锈钢泵)		≤ ±0.5-1(伺服驱动容积泵)
Qualified rate of stoppering	≥ 99		
Cleanness of laminar air (Class)	100		
Speed of vacuum pumping (m ³ /h)	10	30	50
Power(kw)	5		
Power supply	380V 50Hz		
Weight(kg)	2300	2300	2500
Overall dimensions(L × W × H)(mm)	3220×2540×2430	3220×2540×2430	3220×2540×2430

Product Model	KGF10	KGF12	KGF20
Applicable specifications(ml)	2-25(国际西林瓶)		
Number of filling heads	10	12	20
Production capacity(pcs/min)	300(2ml)	400(2ml)	500(2ml)
Filling accuracy(%)	≤ ±2.5(机械式驱动容积泵、陶瓷泵、不锈钢泵)		≤ ±0.5-1(伺服驱动容积泵)
Qualified rate of stoppering	≥ 99		
Cleanness of laminar air (Class)	100		
Speed of vacuum pumping (m ³ /h)	60	60	100
Power(kw)	5		
Power supply	380V 50Hz		
Weight(kg)	2500	2500	2500
Overall dimensions(L × W × H)(mm)	3220×2540×2430	3399×3133×2430	3950×2600×2430